

Application No.: 10/736,494

Docket No.: 2038-318

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A disposable wearing article, comprising:
at least a pair of sheets ~~opposed to each other;~~
a liquid-absorbent core interposed between said pair of sheets; and ~~[[,]]~~
adhesive lines permanently bonding at least two of said core and portions of said pair of sheets together which extend outward beyond a peripheral edge of said core in a circumferential direction being permanently joined to each other by means of adhesives and said core being permanently joined to at least one of said pair of sheets by means of adhesives; and
said adhesives being defined by a plurality of adhesive lines being applied on at least one surface of at least one of the opposed surfaces of said core and said pair of sheets and continuously extending in a given direction, each of said adhesive lines having first zones and second zones alternately arranged ~~[[on]]~~ along the adhesive line; so that
wherein
each of said first zones contains a greater amount ~~much more quantity~~ of said adhesives adhesive material or has a greater thickness of said adhesive material than each of said second zones; and contains
said first zones are distributed along the respective adhesive lines at regular intervals.
2. (currently amended) The wearing article according to ~~[[Claim]]~~ claim 1, wherein
a quantity of said adhesive material adhesives per unit length of said first zones ~~[[zone]]~~ is
in a range of 0.0001 to 0.0045 g/cm and a quantity of said adhesive material adhesives per unit

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length of said second zones [[zone]] is in a range of 0.00003 to 0.0008 g/cm; and wherein

the quantity of said adhesive material adhesives per unit length of said first zones [[zone]] is three or more times larger than the quantity of said adhesive material adhesives per unit length of said second zones [[zone]].

3. (currently amended) The wearing article according to [[Claim]] claim 1, wherein each of said first zones includes at least said adhesive line is folded in three layers of said adhesive material placed one upon another in a thickness direction of said article in said first zone and each of said second zones includes a single layer of said adhesive material.

4. (currently amended) The wearing article according to [[Claim]] claim 1, wherein a length of each said first zone, as measured in said given direction, is in a range of 1 to 10 mm and a length of each said second zone, as measured in said given direction, is in a range of 0.5 to 80 mm.

5. (currently amended) The wearing article according to [[Claim]] claim 1, wherein a width of each said first zone, as measured in a direction transverse to said given direction, is in a range of 0.01 to 3 mm and a width of each said second zone, as measured in the direction transverse to said given direction, is in a range of 0.003 to 0.5 mm; and

the width of each said first zone is three or more times greater than [[of]] the width of each said second zone.

6. (currently amended) The wearing article according to [[Claim]] claim 1, wherein a spread of said adhesive material adhesives on said pair of sheets is in a range of 2.0 to 100 g/m².

7. (currently amended) The wearing article according to Claim 1 claim 6, wherein said core comprises a mixture of fluff pulp, super-absorbent polymer particles and thermoplastic

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synthetic resin fibers and ~~at least~~ or a mixture of said pulp and said polymer particles and wherein said adhesives are defined by said adhesive lines applied on said core and a spread of said adhesives applied on said core is in a range of 2.0 to 100 g/m².

8. (currently amended) The wearing article according to [[Claim]] claim 1, wherein at least one of said ~~pair of~~ sheets is formed from at least one of a fibrous nonwoven fabric layer and a plastic film layer; and
said nonwoven fabric layer has a compressibility of 0.3 g · cm/m² or higher and a thickness of 0.2 mm or larger.

9. (currently amended) The wearing article according to [[Claim]] claim 1, wherein at least one of said ~~pair of~~ sheets is formed from a composite sheet comprising an elastically stretchable plastic film and a fibrous nonwoven fabric laminated on at least one surface of said plastic film so that said film is contractibly joined to said nonwoven fabric; and
said composite sheet [[have]] has a compressibility of 0.3g · cm/m² or higher and a thickness of 0.2mm or larger.

10. (currently amended) The wearing article according to [[Claim]] claim 1, wherein said wearing article comprises a disposable diaper comprising; ~~composed of~~
front and rear waist regions and a crotch region extending between said waist regions; ~~so as to be contoured by~~
a pair of end flaps ~~extending in a transverse direction~~ outside longitudinally opposite ends of said core and a pair of side flaps ~~extending in the longitudinal direction~~ outside transversely opposite side edges of said core; and ~~wherein, of~~
a liquid-pervious topsheet lying on a side adapted to face ~~faeing~~ a wearer's skin, a liquid-impervious backsheet lying on a side adapted to face ~~faeing~~ away from [[a]] the wearer's skin, and

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liquid-impervious leak-barrier sheets extending in ~~[[the]]~~ a longitudinal direction of said diaper and ~~normally~~ biased to rise above said core; ~~[[,]]~~

wherein at least said ~~[[top-]]~~ topsheet and backsheets define said pair of sheets ~~and, of said top and backsheets~~ and said leak-barrier sheets, at least said backsheet defines said ~~[[end-]]~~ end flaps and side flaps.

11. (currently amended) The wearing article according to ~~[[Claim]]~~ claim 1, wherein said wearing article comprises a sanitary napkin having

front and rear regions, an intermediate region extending between said front and rear regions; and

end marginal zones ~~extending in the transverse direction~~ outside longitudinally opposite ends of said core and lateral marginal zones ~~extending in the longitudinal direction~~ outside transversely opposite side edges of said core; and

wherein

said ~~pair of~~ sheets are defined by a liquid-pervious topsheet lying on ~~[[the]]~~ a side adapted to face ~~facing~~ a wearer's skin and a liquid-impervious backsheet lying on a side adapted to face ~~facing~~ away from ~~[[a]]~~ the wearer's skin; ~~and and, of said top and backsheets,~~

at least said backsheet defines said end marginal zones and said lateral marginal zones.

12. (new) The wearing article according to claim 1, wherein said adhesive lines are straight, parallel lines.

13. (new) The wearing article according to claim 1, wherein said adhesive lines are non-intersecting and each of said adhesive lines does not intersect itself.

14. (new) The wearing article according to claim 1, wherein said adhesive lines have intersections at which said first zones are not located.

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15. (new) The wearing article according to claim 1, wherein at least one of said adhesive lines is a spiral line which intersects itself at a plurality of intersections, and at least one of the first zones on said spiral lines is not located at said intersections.

16. (new) A disposable wearing article, comprising:
at least a pair of sheets;
a liquid-absorbent core located between said sheets; and
adhesive lines permanently bonding at least two of said core and said sheets together; and
each of said adhesive lines being applied on at least one surface of at least one of said core and said sheets and comprising first zones and second zones alternatingly arranged along the adhesive line;
wherein
said at least two of said core and said sheets are bonded to each other more strongly in said first zones than in said second zones; and
said first zones are distributed at substantially equal spacings along the respective adhesive lines.

17. (new) The wearing article according to claim 16, wherein said adhesive lines are straight, parallel lines.

18. (new) The wearing article according to claim 16, wherein said adhesive lines are non-intersecting and each of said adhesive lines does not intersect itself.

19. (new) The wearing article according to claim 16, wherein said adhesive lines have intersections at which said first zones are not located.

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20. (new) The wearing article according to claim 16, wherein said adhesive lines are spiral lines each of which intersects itself at a plurality of intersections, and at least one of the first zones on each said spiral lines is not located at said intersections.